City of Charlotte, Mecklenburg County -- $38,042 for a photovoltaic solar project to be placed on the parking deck of the Charlotte-Mecklenburg Government Center. The system will be installed in the southwest corner of the parking deck on a single steel pole. The monitoring system will be web-based and allow the City of Charlotte access to real time energy production data for a variety of time periods. Total cost of the project is $616,432, and it will generate 131,000 kWh annually.

Commonwealth Brands, Rockingham County -- $200,000 for a rooftop photovoltaic solar system installed at Commonwealth Brands, a manufacturer and distributor of tobacco products in Reidsville. In addition to the installation of the solar panels, major elements of this project include furnishing and installing a photovoltaic powered 100 kW inverter, and all wiring and system data monitoring equipment capable of tracking five years of real-time data via Internet. Total cost of the project is $810,000, and it will generate about 162,000 kWh annually.

Elon University, Alamance County -- $200,000 for solar thermal systems to be installed at Elon University to produce approximately 4,500 gallons of hot water per day for four buildings on campus. One of the newer student housing facilities on campus, Colonnades A and B are two identical student housing facilities, and each dorm will get a 20- panel solar thermal system. The Colonnades Dining Hall will get a 30-panel solar thermal system. The Danailey Center, another dorm, will get a 20-panel solar thermal system. The solar heating system includes solar panels, pumps, tanks, controls, wiring, piping, and insulation. A Web-based monitoring service providing access to energy production data on a daily, weekly and monthly basis will collect flow rates and temperatures, capturing actual performance of the systems. Total cost of the project is $482,734, and it will generate 920,000,000 BTU annually.

FLS YK Farm, Caldwell County -- $32,358 for a solar thermal project to be installed at Meadowood Garden Apartments in Lenoir to supply hot water for the complex. FLS Energy is a national solar energy generation company headquartered in North Carolina. Meadowood Garden Apartments includes 50 one- and two- bedroom apartments and townhouses. The project will consist of a 21-panel solar thermal energy system to supply 1,050 gallons of hot water a day to the water heating system for the apartment building. The solar heating system includes solar panels, pumps, tanks, controls, wiring, piping, and insulation. A Web-based monitoring service providing access to energy production data on a daily, weekly and monthly basis will collect flow rates and temperatures, capturing actual performance of the systems. Total cost of the project is $129,433, and it will generate 215,000,000 BTU annually.

FLS YK Farm, Martin County -- $200,000 for a 250 kW photovoltaic solar system to be installed on the roof of the Food Lion in Robersonville. The roof-mounted, grid-tied installation will include all labor, materials and services required for a complete and functioning grid-tied photovoltaic system. The system will include: solar panels, panel racking and mounting, wiring, inverters, and monitoring system. Total cost of the project is $1.75 million, and it will generate 330,000 kWh annually.